

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/575,831A  
Source: TF400  
Date Processed by STIC: 02/7/2007

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>10/575,831 A</u>
<b>ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE</b>		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor <b>after</b> creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line <b>not exceed</b> 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do <b>not</b> use tab codes between numbers; use <b>space characters</b> , instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was <b>not</b> saved in ASCII(DOS) text, as required by the Sequence Rules. <b>Please ensure your subsequent submission is saved in ASCII text.</b>	
5 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's representing more than one residue. <b>Per Sequence Rules, each n or Xaa can only represent a single residue.</b> Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <input type="checkbox"/> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. <b>This applies to the mandatory &lt;220&gt;-&lt;223&gt; sections for Artificial or Unknown sequences.</b>	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for <b>each</b> skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If <b>intentional</b> , please insert the following lines for <b>each</b> skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per <u>1.823 of Sequence Rules, the only valid &lt;213&gt; responses are: Unknown, Artificial Sequence, or scientific name (Genus/species).</u> <220>-<223> section is <u>required when &lt;213&gt; response is Unknown or is Artificial Sequence.</u> (see item 11 below)	
11 <input type="checkbox"/> Use of <220>	Sequence(s) <input type="checkbox"/> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" <b>can only</b> represent a single <u>nucleotide</u> ; "Xaa" <b>can only</b> represent a single <u>amino acid</u>	



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/575,831A

DATE: 02/07/2007

TIME: 11:42:58

Input Set : N:\efs\02\_07\_07\10575831a\_efs\SequenceListing.txt  
 Output Set: N:\CRF4\02072007\J575831A.raw

3 <110> APPLICANT: Zang, Ying C.Q.  
 5 <120> TITLE OF INVENTION: A Method for Increasing CD8+ Cytotoxic T Cell Responses and  
 for  
 6       Treating Multiple Sclerosis  
 8 <130> FILE REFERENCE: 050989.0203.PCUS00  
 10 <140> CURRENT APPLICATION NUMBER: 10/575,831A  
 C--> 11 <141> CURRENT FILING DATE: 2006-04-14  
 13 <150> PRIOR APPLICATION NUMBER: US 60/512,212  
 14 <151> PRIOR FILING DATE: 2003-10-17  
 16 <160> NUMBER OF SEQ ID NOS: 5  
 18 <170> SOFTWARE: PatentIn version 3.3  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 9  
 22 <212> TYPE: PRT  
 23 <213> ORGANISM: Synthetic  
 25 <400> SEQUENCE: 1  
 27 Val Val His Phe Phe Lys Asn Ile Val  
 28 1                   5  
 31 <210> SEQ ID NO: 2  
 32 <211> LENGTH: 9  
 33 <212> TYPE: PRT  
 34 <213> ORGANISM: Synthetic  
 36 <400> SEQUENCE: 2  
 38 Ser Leu Ser Arg Phe Ser Trp Gly Ala  
 39 1                   5  
 42 <210> SEQ ID NO: 3  
 43 <211> LENGTH: 9  
 44 <212> TYPE: PRT  
 45 <213> ORGANISM: Synthetic  
 47 <400> SEQUENCE: 3  
 49 Asp Tyr Lys Ser Ala His Lys Gly Phe  
 50 1                   5  
 53 <210> SEQ ID NO: 4  
 54 <211> LENGTH: 9  
 55 <212> TYPE: PRT  
 56 <213> ORGANISM: Synthetic  
 58 <400> SEQUENCE: 4  
 60 Lys Tyr Leu Ala Thr Ala Ser Thr Met  
 61 1                   5  
 64 <210> SEQ ID NO: 5  
 65 <211> LENGTH: 9  
 66 <212> TYPE: PRT  
 67 <213> ORGANISM: Synthetic  
 69 <400> SEQUENCE: 5

Invalid Response  
 2137 Responses can be  
 either Artificial, Unknown  
 or Genes Species.  
 P/S see Item 10 on  
 Error Summary Sheet.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/575,831A

DATE: 02/07/2007

TIME: 11:42:58

Input Set : N:\efs\02\_07\_07\10575831a\_efs\SequenceListing.txt  
Output Set: N:\CRF4\02072007\J575831A.raw

71 Ser Thr Arg Gln Gly Pro Gln Glu Thr

72 1 5

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/575,831A

DATE: 02/07/2007

TIME: 11:42:59

Input Set : N:\efs\02\_07\_07\10575831a\_efs\SequenceListing.txt  
Output Set: N:\CRF4\02072007\J575831A.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date